

**SOUTHERN ILLINOIS UNIVERSITY  
EDWARDSVILLE**

**Pathway - Mechanical Engineering**

**Lewis and Clark Community College  
Associate Degree AES  
Fall Year 1**

LCCC Course		Hours
ENGL 131	First Year English I	3
CHEM 141	General Chemistry I	5
CHEM 121	Recitation	1
SPCH 145	Public & Private Communication	3
MATH 171	Calculus and Analytic Geo	5
<b>Total</b>		<b>17</b>

**Spring Year 1**

LCCC Course		Hours
ENGL 132	First Year English II	3
MATH 172	Calculus and Analytic Geo II	5
PHYS 141	General Physics I	5
ECON 151	Macroeconomics	3
<b>Total</b>		<b>16</b>

**Fall Year 2**

LCCC Course		Hours
MATH 271	Calculus and Analytic Geo III	4
PHYS 142	General Physics II	5
DRFT 131 or 140	Gen. Drafting or Comp. Drafting	4
PHYS 241	Statics	3
<b>Total</b>		<b>16</b>

**Spring Year 2**

LCCC Course		Hours
PHYS 242	Dynamics	3
MATH 272	Differential Equations	3
CIS 235	C++ Programming Language	3
IAI Fine Arts	Fine Arts	3
PHYS 210	Circuit Analysis	3
<b>Total</b>		<b>15</b>

**Associate in Engineering Total 64**

<sup>1</sup>Students may take PHYS 245 in the summer at LCCC if offered.

If 245 is not offered, students will take CE 242 in the summer at SIUE.

\*Students must complete 50% or more of the degree requirements at SIUE.

**Southern Illinois University Edwardsville  
Bachelor of Science Degree  
Summer Year 3**

SIUE Course		Hours
<sup>1</sup> CE 242	Mechanics of Solids	3
<b>Total</b>		<b>3</b>

**Fall Year 3**

SIUE Course		Hours
ME 310	Thermodynamics	3
ME 350	Mechanisms	3
ME 370	Materials Engineering	3
STAT 380	Statistics for Application	3
ME 354	Numerical Simulation	1
EH	Health Experience	1
ERGU	EXP- US Race Gender and Equity	3
<b>Total</b>		<b>17</b>

**Spring Year 3**

SIUE Course		Hours
ME 312	Thermodynamics II	3
ME 315	Fluid Mechanics	3
ME 380	Design Machine Elements	3
ME 380L	Stress Laboratory	1
ME 356	Dynamics Systems Modeling	3
PHIL 323	Engineering Ethics	3
<b>Total</b>		<b>16</b>

SIUE Course		Fall Year 4		Hours
ME 410	Heat Transfer			3
ME 410L	Thermal Fluid Laboratory			1
ME 482	Mech. Engr. Design I			2
ME XXX	ME Elective I			3
IE 345	Engineering Economic Analysis			3
IS/EREG	IS/EREG			3
<b>Total</b>				<b>15</b>

**Spring Year 4**

SIUE Course		Hours
ME 484	Mechanical Eng. Design II	2
ME356L	Dynamical Systems Laboratory	1
ME XXX	Elective II	3
ME XXX	Elective III	3
ELE XXX	Engineering Elective	3
BLS	Breadth Life Science	3
<b>Total</b>		<b>15</b>

**Bachelor of Science Total 130**

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EDWARDSVILLE**

**Pathway - Mechanical Engineering**

**School of Engineering Transfer Credit Advisory Notes:**

NOTE: Student must apply for admission to upper-division classes before starting their junior year at SIUE.

The form for 'APPLICATION FOR ADMISSION TO UPPER-DIVISION' must be submitted by the deadline to the academic advisor in the School of Engineering at SIUE.

Students must earn 60 hours from a senior institution for graduation requirements. If students take all SIUE junior and senior level

Courses, as stated above, at SIUE, they will meet this requirement. Please note: deviating from the planned schedule above may jeopardize this requirement

SIUE may accept transfer "D" grades, however, in the School of Engineering, a grade of "C" or better is required in all chemistry,

Computer science, mathematics, physics, and engineering courses applied to major or minor requirements. A course that transfers as 1XX, 2XX, 3XX or TRF 1XX, TRF 2XX, TRF 3XX may require a course description and/or syllabus for further evaluation.

A course that satisfies both the ERGU and EREG attribute requirement will only be counted as one attribute and not both.

Interdisciplinary Studies (IS) Courses must be taken at the junior/senior level class standing. This requirement is not waived with

Completion of transfer associate degree or IAI-GECC. It is recommended that students choose a course to meet this general education

Requirement AND Global Culture Race and Equity Experience (EREG). Please see the SIUE advisor for a current list of course options.

Students must select a life science course other than physics and chemistry. Department approved courses include:

ENSC 340, GEOG 202, BIOL 111, BIOL 140, BIOL 150, BIOL 151, BIOL 203, BIOL 204, BIOL 205, BIOL 220, BIOL 240A, BIOL 240B.